

§ 63.11396 What are the standards and compliance requirements for new sources?

(a) You must comply with the requirements in paragraph (a)(1) or (2) of this section for each process vent where the AN concentration of the vent stream is equal to or greater than 50 parts per million by volume (ppmv) and the average flow rate is equal to or greater than 0.005 cubic meters per minute, as determined by the applicability and assessment procedures in § 63.1104 of subpart YY.

(1) You must reduce emissions of AN by 98 weight-percent or limit the concentration of AN in the emissions to no more than 20 ppmv, whichever is less stringent, by venting emissions through a closed vent system to any combination of control devices meeting the requirements for process vents in § 63.982(a)(2) of subpart SS; or

(2) You must reduce emissions of AN by using a flare that meets the requirements of § 63.987 of subpart SS.

(b) You must comply with the requirements in paragraph (b)(1), (2), or (3) of this section for each fiber spinning line that uses a spin dope produced from either a suspension polymerization process or solution polymerization process.

(1) You must reduce the AN concentration of the spin dope to less than 100 ppmw; or

(2) You must design and operate a fiber spinning line enclosure according to the requirements in § 63.1103(b)(4) of subpart YY and reduce AN emissions by 85 weight-percent or more by venting emissions from the enclosure through a closed vent system to any combination of control devices meeting the requirements in § 63.982(a)(2) of subpart SS; or

(3) You must reduce AN emissions from the spinning line to less than or equal to 0.5 pounds of AN per ton (lb/ton) of acrylic and modacrylic fiber produced.

(c) You must comply with the requirements for storage vessels holding acrylonitrile as shown in Table 2 to § 63.1103(b)(3)(i) of subpart YY.

(d) You must comply with the requirements for equipment that contains or contacts 10 percent by weight or more of AN and operates 300 hours

per year as shown in Table 2 to § 63.1103(b)(3)(i) of subpart YY.

(e) You must comply with the requirements for process wastewater and maintenance wastewater from an acrylic and modacrylic fibers production process as shown in Table 2 to § 63.1103(b)(3)(i) of subpart YY. Process wastewater and maintenance wastewater that contains AN and is not subject to the requirements in Table 2 to § 63.1103(b)(3)(i) of subpart YY must be treated in a wastewater treatment system.

(f) You must comply with all testing, monitoring, recordkeeping, and reporting requirements in subpart SS (for process vents); subpart SS or WW (for AN tanks); subpart TT or UU (for equipment leaks); and subpart G (for process wastewater and maintenance wastewater). Only the provisions in §§ 63.132 through 63.148 and §§ 63.151 through 63.153 of subpart G apply to this subpart.

(g) If you use a control device other than a wet scrubber, flare, incinerator, boiler, process heater, absorber, condenser, or carbon adsorber, you must prepare and submit a monitoring plan to the Administrator for approval. Each plan must contain the information in paragraphs (g)(1) through (5) of this section.

(1) A description of the device;

(2) Test results collected in accordance with paragraph (f) of this section verifying the performance of the device for reducing AN to the levels required by this subpart;

(3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

(4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and

(5) Operating parameter limits based on monitoring data collected during the performance test.

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OTHER REQUIREMENTS AND INFORMATION

§ 63.11397 What General Provisions apply to this subpart?

(a) You must meet the requirements of the General Provisions in 40 CFR part 63, subpart A, as shown in Table 1 to this subpart.

(b) If you own or operate an existing affected source, your notification of compliance status required by § 63.9(h) must include the following information:

(1) This certification of compliance, signed by a responsible official, for the standards in § 63.11395(a): “This facility complies with the management practices required in § 63.11395(a) for operation of capture systems for polymerization process equipment and monomer recovery process equipment.”

(2) This certification of compliance, signed by a responsible official, for the emissions limits in § 63.11395(b): “This facility complies with the emissions limits in § 63.11395(b)(1) and (2) for control devices serving the polymerization process equipment and monomer recovery process equipment based on previous performance tests in accordance with § 63.11395(h)” or “This facility complies with the alternative standards for process vents in § 63.11395(b)(3) based on previous performance tests and assessments in accordance with § 63.11396(f)”. If you conduct a performance test or assessment to demonstrate compliance, you must include the results of the performance test and/or assessment.

(3) This certification of compliance, signed by a responsible official, for the standards for storage tanks in § 63.11396(d): “This facility complies with the requirements of 40 CFR part 60, subpart Kb for each tank that stores acrylonitrile.”

(4) This certification of compliance, signed by a responsible official, for the requirement in Table 1 to subpart LLLLLL for preparation of a startup, shutdown, and malfunction plan: “This facility has prepared a startup, shutdown, and malfunction plan in accordance with the requirements of 40 CFR 63.6(e)(3).”

(c) If you own or operate a new affected source, your notification of com-

pliance status required by § 63.9(h) must include:

(1) The results of the initial performance test or compliance demonstration for each process vent (including closed vent system and control device, flare, or recovery device), fiber spinning line, AN storage tank, equipment, and wastewater stream subject to this subpart.

(2) This certification of compliance, signed by a responsible official, for the applicable emissions limit in § 63.11396(a) for process vents: “This facility complies with the emissions limits in § 63.11396(a) for each process vent subject to control.”

(3) This certification of compliance, signed by a responsible official, for the applicable emissions limit in § 63.11396(b) for each fiber spinning line: “This facility complies with the emissions limit and/or management practice requirements in § 63.11396(b)(1), (2), or (3) for each fiber spinning line.”

(4) This certification of compliance, signed by a responsible official, for the storage tank requirements in § 63.11396(c): “This facility complies with the requirements for storage vessels holding acrylonitrile as shown in Table 2 to § 63.1103(b)(3)(i) of subpart YY.”

(5) This certification of compliance, signed by a responsible official, for the equipment leak requirements in § 63.11396(d): “This facility complies with the requirements for all equipment that contains or contacts 10 percent by weight or more of AN and operates 300 hours per year or more as shown in Table 2 to § 63.1103(b)(3)(i) of subpart YY.”

(6) This certification of compliance, signed by a responsible official, for the process wastewater and maintenance wastewater requirements in § 63.11396(e): “This facility complies with the requirements in Table 2 to § 63.1103(b)(3)(i) of subpart YY for each process wastewater stream and each maintenance wastewater stream.”

(d) If you own or operate a new affected source, you must report any deviation from the requirements of this subpart in the semiannual report required by 40 CFR 63.10(e)(3).